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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7581

July 8, 2003

Mr. Joel Hebdon, Director
Regulatory Compliance and Analysis Division
United States Department of Energy
P.O. Box 550, MSIN: A5-15
Richland, Washington 99352

Mr. Richard H. Gurske, Director
Fluor Hanford, Inc.
P.O. Box 1000, MSIN: H8-73
Richland, Washington 99352

Mr. Roby D. Enge, Director
Environment, Safety, Health and Quality
Pacific Northwest National Laboratory
P.O. Box 999, MSIN: P7-75
Richland, Washington 99352

Mr. Ron F. Naventi, Project Director
River Protection Project Waste Treatment Plant
Bechtel National, Inc.
2435 Stevens Center Place
Richland, Washington 99352

Dear Messrs. Hebdon, Gurske, Enge, and Naventi:

Re: Quarterly Notification of Class 1 Modifications to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion, (Quarter ending March 31, 2003-Permit Condition I.C.3)

Enclosed are the Modification Notification Forms indicating those modifications that the Washington State Department of Ecology (Ecology) has reviewed and approved for the referenced quarterly Class 1 Modifications.

RECEIVED
JUL 14 2003
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Messrs. Hebdon, Gurske, Enge and Naventi
July 8, 2003
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The approved quarterly modifications include:

305-B Storage Facility

Hanford Facility RCRA Permit, III.2.A

Chapter 2.0, Section 2.5.1

Chapter 3.0, Section 3.3.1

Chapter 3.0, Table 3.1

242-A Evaporation, Attachment 35

Hanford Facility RCRA Permit, III.5

Chapter 4.0, Section 4.2.1

Chapter 6.0, Section 6.3.2.2

Chapter 7.0, Section 7.4.4

Waste Treatment and Immobilization Plant, Attachment 51

Hanford Facility RCRA Permit, III.6.A-Appendix 1.0-Risk Assessment

Hanford Facility RCRA Permit, III.6.A-Appendix 1.0-Engineering Doc.

Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility

Hanford Facility RCRA Permit, III.4

Chapter 2.0

Chapter 3.0

Chapter 4.0, Section 4.4.4.1.2

Chapter 5.0

Chapter 7.0

300 Area Waste Acid Treatment System

Hanford Facility RCRA Permit, Part V, Chapter 20

General Permit Conditions

Permit Condition II. A.2. and Attachment 3, Permit Applicability Matrix

Permit Condition II.F.2.a

Permit Condition II.U.1 & II.U.2

Permit Condition II.U.3

Permit Condition II.U.4

Permit Condition II.V

Permit Condition II.Y.3.b

325 Hazardous Waste Treatment Units

Hanford Facility RCRA Permit, III. 6.A

Hanford Facility RCRA Permit, III. 6.B

Attachment 33, General Information Portion

Attachment 33, Revision 6

Regarding the Class 3 Modification submittal for the 300 Area Waste Acid Treatment System, Ecology has made the determination to reclassify this submittal as a Class 1 Prime modification. Additionally, Ecology recognizes approval for Facility Class 1 Prime permit modifications to the

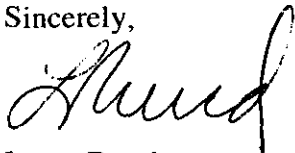
Messrs. Hebdon, Gurske, Enge and Naventi
July 8, 2003
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Waste Treatment and Immobilization Plant portion of the Hanford Facility RCRA Permit, Part III, Chapter 10, Attachment 51 submitted January 16, 2003. This includes:

Waste Treatment and Immobilization Plant
Hanford Facility RCRA Permit, III.6.A
Interim Compliance Schedule Appendix 1.0

Again, the United States Department of Energy and contractor staff are encouraged to discuss proposed Class 1 changes with Ecology's unit managers to clarify any questions and/or concerns. If you have any questions or comments regarding this letter, please contact me at (509) 736-5715 or Jean Vanni at (509) 736-3046.

Sincerely,



Laura Ruud
Permitting Specialist
Nuclear Waste Program

LR:JV:nc
Enclosures

cc w/enc: Mike Hughes, BHI
 Roger J. Landon, BHI
 Richard H. Gurske, FH
 Suzette Thompson, FH
 Roby Enge, PNL
 Alice Ikenberry, PNL
 Stuart Harris, CTUIR
 Pat Sobotta, NPT
 Russell Jim, YN
 Ken Niles, OOE
 Environmental Portal, LMSI
 HF Operating Record
 Administrative Record

cc w/o enc: Rick Gay, CTUIR
 Todd Martin, HAB

**Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 2 and Attachment 18
305-B Storage Facility**

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Page 2 of 5: Hanford Facility RCRA Permit, Condition III.2.A
Page 3 of 5: Chapters 2.0, Section 2.5.1
Page 4 of 5: Chapter 3.0, Section 3.3.1
Page 5 of 5: Chapter 3.0, Table 3.1

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Hanford Facility RCRA Permit, Condition III.2.A:

III.2.A. COMPLIANCE WITH APPROVED PERMIT APPLICATION

The Permittees shall comply with all the requirements set forth in Attachment 18, including all Class 1 Modifications specified below, and the Amendments specified in Condition III.2.B. Enforceable portions of the permit application have been incorporated in Attachment 18 and are identified as follows. All subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:

ATTACHMENT 18:

- Chapter 1.0 Part A, Form 3, Permit Application, Revision 1C, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 2.0 Unit Description, from Class 1 modification for quarter ending March 31, 2003 ~~September 30, 2002~~
- Chapter 3.0 Waste Analysis Plan, from Class 1 Modification for quarter ending March 31, 2003 ~~September 30, 2002~~
- Chapter 4.0 Process Information, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 6.0 Procedures to Prevent Hazards, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 7.0 Building Emergency Procedure, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 8.0 Personnel Training, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 11.0 Closure and Post-Closure Requirements, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 12.0 Reporting and Recordkeeping, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 13.0 Other Relevant Laws, from Class 1 Modification for quarter ending September 30, 2002

Modification Class: ¹²³	Class 1	Class ¹	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.				
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>				
A. General Permit Provisions				
1. Administrative and Informational changes				
Submitted by Co-Operator: <i>A.K. Ikenberry</i>	Reviewed by RL Program Office: <i>R.F. Christensen</i>	Reviewed by Ecology: <i>F.W. Jamison</i>	Reviewed by Ecology: <i>L.E. Ruud</i>	
<i>3/12/03</i> Date	<i>3/12/03</i> Date	<i>7-1-03</i> Date	<i>6/9/03</i> Date	
A.K. Ikenberry	R.F. Christensen	F. Jamison	L.E. Ruud	

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:**2.5.1 Procedures for Receiving Shipments [B-8a]**

The 305B operations staff arranges all shipments into the 305-B Storage Facility. Once approval has been reached through the waste operations staff, transportation will be coordinated by waste operations.

If transportation will be over public roadways or highways, a uniform Hazardous Waste Manifest will be prepared. The shipment will be compared to the manifest upon arrival at the 305-B Storage Facility. If any discrepancies are noted refer to Section 2.5.2. If the shipment is accepted the manifest will be signed, drums counted, and placed into a proper storage location within the facility. The shipment will then be entered into the electronic database noting the date of receipt and storage location. If generated from a non-PNNL facility, a copy of the manifest will be returned to the generating facility within 30-days of receipt at the 305-B Storage Facility. All PNNL copies of the manifest will be kept in the operating record at the 305-B Storage Facility.

The following are procedures used prior to transport of wastes to the 305-B Storage Facility. First, the generator must submit a Chemical Disposal/Recycle Request form to the Waste Management Section. An example of a Chemical Disposal/Recycle Request form is shown in Figure 2-5. This request form is then reviewed and either approved or rejected. Typical causes of rejection include missing or insufficient information in any of the data fields, or lack of specific information on waste composition. Waste information required to treat, store, or dispose of the waste is noted in Figure 2-5. Upon approval, the Waste Management Section reviews the form to determine the dangerous waste designation, waste compatibility class for storage, and containerization and labeling requirements.

The waste is then inspected at the generating unit by the Waste Management Section to verify the information contained on the request form, such as number, sizes, and types of containers, location of waste, etc., and to check for proper containerization of waste. If discrepancies are noted during the inspection, the waste will not be picked up by the Waste Management Section. Typical discrepancies include waste not as described on request form or lack of supporting data to verify waste characteristics. In such cases, deficiencies will be explained to the generating unit responsible person, who will then be responsible for correcting them.

If the waste is found to be acceptable for transport, Waste Management staff will check to ensure required labels are in place, and transport (or arrange for transport of) the waste to 305-B Storage Facility. If transport will be over public roadways or highways, a Uniform Hazardous Waste Manifest will be prepared identifying PNNL as the transporter and 305-B Storage Facility as the receiving TSD unit. A copy of all such manifests is returned to the generating unit within 30 days of receipt at 305-B Storage Facility. A copy of the manifest is also retained at 305-B Storage Facility.

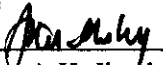
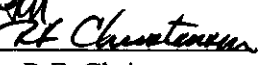
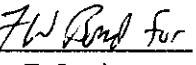
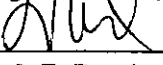
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
 A.K. Ikenberry	 R.F. Christensen	 F. Jamison	 L.E. Ruud
3/12/03 Date	3/12/03 Date	7-1-03 Date	6/9/03 Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.3.1:

3.3.1 Parameter Selection Process

The selection of analytical parameters is based on the State of Washington's "Dangerous Waste Regulations," WAC 173-303-300 and *EPA Waste Analysis at Facilities That Generate, Treat, Store, and Dispose of Hazardous Wastes, A Guidance Manual* (EPA 1994).

At least five percent of the waste containers received at 305-B during a federal fiscal year (October 1 through September 30) will undergo confirmation of designation pursuant to Sections 3.2.2 and 3.2.3. The number of containers needed to meet the five percent requirement is five percent of the average of containers for the previous three months. For example if 200 containers are received in January, 180 in February, and 220 in March, then 10 containers of received waste must undergo confirmation of designation in April. All non-PNNL generating units which ship more than 20 containers through 305-B Storage Facility in a fiscal year will have at least one 1 container sampled and analyzed. Containers, for which there is insufficient process knowledge, or analytical information to designate without sampling and analysis, may not be counted as part of the five percent requirement unless there is additional confirmation of designation independent of the generator designation. The generating unit's staff shall not select the waste containers to be sampled and analyzed other than identifying containers for which insufficient information is available to designate.

Containers of the following are exempt from the confirmation calculation above: Laboratory reagents or other unused products such as paint, lubricants, solvent, or cleaning products, whether received for redistribution, recycling, or as waste. To qualify for this exemption, such materials must be received at 305-B Storage Facility in their original containers.

Prior to acceptance of wastes at 305-B Storage Facility, confirmation of designation may be required (Section 3.7.3). Wastes that shall undergo confirmation of designation are identified in Condition III.2.B.f. of this Permit and may be divided into two groups; those that easily yield a representative sample (Category I), and those that do not (Category II). The steps for each type are outlined below along with a description of which wastes fall into each category:

Category I. If a waste which easily yields a representative sample is received, a representative sample will be taken from the waste containers selected. If more than one phase is present, each phase must be tested individually. The following field tests will be performed as appropriate for the waste stream:

- Reactivity - oxidizer, cyanide, and sulfide tests. These tests will not be performed on materials known to be organic peroxides, ethers, and/or water reactive compounds.
- Flashpoint/explosivity - explosive atmosphere meter¹, or a closed cup flashpoint measurement instrument¹.
- pH - by pH meter¹ or pH paper (SW-846-9041)². This test will not be performed on non- aqueous materials.
- Halogenated organic compounds.
- Volatile organic compounds - by photo or flame ionization tester¹, by gas chromatography with or without mass spectrometry, or by melting point and/or boiling point determination.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i>	<i>R.F. Christensen</i>	<i>F. Jamison</i>	<i>L.E. Ruud</i>
A.K. Ikenberry	R.F. Christensen	F. Jamison	L.E. Ruud
3/12/03	3/12/03	7-1-03	6/9/03
Date	Date	Date	Date

¹ These instruments are field calibrated or checked for accuracy daily when in use.

² The pH paper must have a distinct color change every 0.5 pH units and each batch of paper must be calibrated against certified pH buffers, or by comparison with a pH meter calibrated with certified pH buffers.

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Table 3.1:

Parameter ^a	Method ^b	Rationale for Selection
Physical Screening		
Visual inspection	Field method - observe phases, presence of solids in waste	Ensure Confirm that waste matches that described on waste acceptance documentation; identify waste prohibited by LDR requirements related to downstream TSD unit acceptance criteria
Chemical Screening		
Water miscibility/separable organics	Water mix screen ASTM Method D5232-92	Ensure Confirm that waste matches that described on waste acceptance documentation; identify separable organics; identify waste prohibited by LDR requirements related to downstream TSD unit acceptance criteria
Water reactivity	Water mix screen ASTM Method D5232-92	Ensure Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)
pH	pH screen SW-846 Method 9041	Ensure Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)
Cyanides	Cyanide screen	Ensure Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)
Sulfides	Sulfide screen	Ensure Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)
Flashpoint	Photoionizer or Flame Ionizer	Confirm that waste matches that described on waste acceptance documentation
Halogenated Organic Compounds	Photoionizer or Flame Ionizer, or Clor-D-Test Kits	Confirm that waste matches that described on waste acceptance documentation
Pre-Shipment Review		
Mercury (total)	Generator knowledge or SW-846 Method 7470/7471	Identify waste prohibited by LDR requirements related to downstream TSD unit acceptance criteria.
Toxicity characteristic organic compounds	Generator knowledge or SW-846 Methods 1311 and 8260 (volatile organic compounds) and 8270 (semivolatile organic compounds)	Identify waste not identified on the Part A, Form 3
Polycyclic aromatic hydrocarbons	Generator knowledge or SW-846 Method 8270 or 8100	Identify waste not identified on the Part A, Form 3 (for waste with >1% solids and for which WP03 could apply)

^a Addition parameters can be used on current waste acceptance criteria of the downstream TSD unit. Operation limits transfer/shipments are based on current waste acceptance criteria.

^b Procedures based on EPA SW-846, unless otherwise noted. When regulations require a specific method, the method shall be followed.

	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 3/12/03	<i>R.F. Christensen</i> 3/12/03	<i>F. Jamison</i> 7-1-03	<i>L.E. Ruud</i> 6-9-03
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹ 1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹ 1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 5 and Attachment 35
242-A Evaporator

Quarter Ending March 31, 2003

Page 1 of 5

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Page 3 of 5: Chapter 4.0, Section 4.2.1
Page 4 of 5: Chapter 6.0, Section 6.3.2.2
Page 5 of 5: Chapter 7.0, Section 7.4.4

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Hanford Facility RCRA Permit, Condition III.5.A:

CHAPTER 5 242-A Evaporator

The 242-A Evaporator is a mixed waste treatment and storage unit consisting of a conventional forced-circulation, vacuum evaporation system to concentrate mixed-waste solutions. This Chapter sets forth the operating Conditions for this TSD unit.

III.5.A. COMPLIANCE WITH APPROVED PERMIT APPLICATION

The Permittees shall comply with all requirements set forth in Attachment 35, including all Class 1 Modification, and the Amendments specified in Condition III.5.B, if any exist. All subsections, figures, and tables included in these portions are enforceable):

ATTACHMENT 35:

- Chapter 1.0 Part A, Form 3, Dangerous Waste Permit, Revision 7A, from Class 1 Modification for quarter ending December 31, 2002
- Chapter 2.0 Unit Description, from Class 1 modification for quarter ending December 31, 2002
- Chapter 3.0 Waste Analysis Plan, from Class 1 Modification for quarter ending December 31, 2002
- Chapter 4.0 Process Information, from Class 1 Modifications for quarter ending March 31, 2003 ~~December 31, 2002~~
- Chapter 6.0 Procedures to Prevent Hazards, from Class 1 Modification for quarter ending March 31, 2003 ~~December 31, 2002~~
- Chapter 7.0 Contingency Plan, from Class 1 Modification from quarter ending December 31, 2002 ~~March 31, 2003~~
- Chapter 8.0 Personnel Training, from Class 1 Modification from quarter ending December 31, 2002
- Chapter 11.0 Closure and Financial Assurance, from Class 1 Modification for quarter ending December 31, 2002
- Chapter 12.0 Reporting and Recordkeeping, from Class 1 Modification from quarter ending December 31, 2002
- Chapter 13.0 Other Federal and State Laws, from Class 1 Modification from quarter ending December 31, 2002
- Appendix 4B The 242-A Evaporator/Crystallizer Tank System Integrity Assessment Report, from Class 1 Modification for quarter ending December 31, 2002

III.5.B. AMENDMENTS TO THE APPROVED PERMIT APPLICATION

III.5.B.1 Portions of DOE/RL-94-02 that are not made enforceable by inclusion in the applicability matrix for that document, are

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator: <i>J. A. Van Vliet</i> 3/24/03 J. A. Van Vliet Date	Reviewed by RL Program Office: <i>G. H. Sanders</i> 3/26/03 G. H. Sanders Date	Reviewed by Ecology: <i>P. Jamison</i> 6/24/03 P. Jamison Date	Reviewed by Ecology: <i>L.E. Ruud</i> 6-24-03 L.E. Ruud Date
---	--	--	--

J. Lyon

¹ Class 1 modifications requiring prior Agency approval.

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³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: 242-A Evaporator	Permit Part & Chapter: Part III, Chapter 5 and Attachment 35
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Description of Modification:

Chapter 4.0, Section 4.2.1:

*Clarify basis for integrity assessment frequency will be based on knowledge gained during tank integrity assessments.***4.1.2 Integrity Assessments [D-2a(2)]**

The IAR (Appendix 4B) discusses:

- The standards used during design and construction of the 242-A Evaporator and the adequacy of those standards
- The characteristics of the DST waste processed
- The adequacy of the materials of construction to provide corrosion protection from the waste 30 processed
- The age of the tanks and the affect of age on tank integrity
- The results of the leak tests, visual inspections, and tank wall thickness inspections
- The frequency and scope of future integrity assessment
- Deficiencies in secondary containment design. These deficiencies are discussed in Section 4.1.5.

The integrity assessment was certified by an independent, qualified registered professional engineer. The inspections, tests, and analyses performed provide assurance that the 242-A Evaporator tank system has adequate design, sufficient structural strength, and sufficient compatibility with the waste to not collapse, rupture, or fail during operation. No evidence of degradation was noted during the visual test, ultrasonic test, or leak test. Both condensate collection tank C-100 and the vapor-liquid separator/reboiler loop passed leak tests. The frequency of subsequent integrity assessments will be established based on the results of the last integrity assessment. ~~Based on the results of the integrity assessment, an assessment frequency of 5 years or 8,000 hours of operation has been established.~~

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator: <i>J. A. Van Vliet</i> J. A. Van Vliet	Reviewed by RL Program Office: <i>G. H. Sanders</i> G. H. Sanders	Reviewed by Ecology: <i>J. Lyon</i> J. Lyon	Reviewed by Ecology: <i>L.E. Ruud</i> L.E. Ruud
Date: 3/24/03	Date: 3/26/03	Date: 6/24/03	Date: 6/27/03

¹ Class I modifications requiring prior Agency approval.² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Chapter 6.0, Section 6.3.2.2:

Clarify SCBAs are radiological protective equipment and included only for information.

6.3.2.2 Emergency Equipment

Emergency equipment is available throughout the 242-A Building. The locations of telephones, public address systems, and alarms are given in Attachment 35, Chapter 7.0, Contingency Plan.

Major fire damage is unlikely at the 242-A Evaporator because of the concrete construction and because the amount of combustible material is minimal. A temperature-activated water sprinkler system, emergency lights, fire alarms pull boxes, and fire extinguishers are located throughout the facility. The Hanford Fire Department is capable of providing rapid response to major fires at the 242-A Evaporator and its vicinity, with a fire hydrant located near the east side of the facility.

Safety showers are located in the areas where personnel are most likely to have direct exposure of hazardous materials: in the AMU room and on the first and fourth floors of the condenser room. Water for these devices is supplied from the sanitary water system. Self-contained breathing apparatus units are available in the control room for use throughout the 242-A Building for protection from radiological hazards and are not subject to the HF RCRA Permit provisions. Respirators are located in the PPE storage room near the entryway to the condenser room. Other PPE, such as hazardous material protective gear and special work procedure clothing, are located in cabinets in the survey area. If required, PPE is donned before entry into the rooms containing mixed waste. The level of personal protective equipment required depends on the level of contamination in the area being entered and the activity being performed.

A spill control kit is located in a cabinet near the door to the PPE storage room. An inventory of the equipment in the spill kit is included inside the cabinet. The spill kit cabinet door seal is checked monthly to ensure the kit has not been used. The kit inventory is inspected annually.

The 242-A Evaporator operating personnel are trained in the use of emergency equipment (Attachment 35, Chapter 8.0). Additionally, the Hanford Facility maintains a sufficient inventory of heavy equipment (e.g., bulldozers, cranes, road graders) for emergency response.

Modification Class: ¹²³

Class 1

Class ¹

Class 2

Class 3

Please check one of the Classes:

X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator:

Reviewed by RL Program Office:

Reviewed by Ecology:

Reviewed by Ecology:

J. A. Van Vliet

Date

G. H. Sanders

Date

J. Jamison

Date

L.E. Ruud

Date

J. Lyon

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: 242-A Evaporator	Permit Part & Chapter: Part III, Chapter 5 and Attachment 35
----------------------------------	--

Description of Modification:

Chapter 7.0, Section 7.4.4:

SCBAs are radiological protective equipment and not part of the RCRA contingency plan.

7.4.4 Personal Protective Equipment

Type	Location	Capability
Self-contained breathing apparatus (SCBA)	Two located in the 242-A Evaporator control room	Provides breathable air for initial response to emergency, and recovery activities when required
Respirators	242-A respirator storage room	Filtered air for recovery of known hazards

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3

X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator: <i>J. A. Van Vliet</i> 3/24/03 J. A. Van Vliet Date	Reviewed by RL Program Office: <i>G. H. Sanders</i> 3/26/03 G. H. Sanders Date	Reviewed by Ecology: <i>J. Lyon</i> 6/24/03 J. Lyon Date	Reviewed by Ecology: <i>L. E. Ruud</i> 6/19/03 L. E. Ruud Date
---	--	--	--

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:

Waste Treatment and Immobilization Plant

Permit Part & Chapter:

Part III, Chapter 10 and Attachment 51

Description of Modification: The purpose of this permit modification is to update an interim compliance date in the WTP Interim Compliance Schedule Appendix 1.0 (Item 27).

Attachment 51, Chapter : 10, Volume II, Appendix 1.0

Redline/strikeout of modification:

	Compliance Schedule Submittal	Interim Compliance Date
27.	Submit engineering information for HLW Vitrification Miscellaneous Treatment Unit secondary containment	3/01/03 11/21/03

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3

X

Relevant WAC 173-303-830, Appendix I Modification: A.5.a

Enter wording of the modification from WAC 173-303-830, Appendix I citation

Schedule of Compliance: Changes in interim compliance dates, with prior approval of the director.

Submitted by Co-Operator: <i>[Signature]</i> 2/19/03 Date	Reviewed by ORP: <i>[Signature]</i> 2/20/03 Date	Reviewed by Ecology: <i>[Signature]</i> 2/24/03 S. Dahl Date	Reviewed by Ecology: <i>[Signature]</i> 2/25/03 Laura Ruud Date
---	--	--	---

¹Class 1 modifications requiring prior Agency approval.² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should be classified as a Class 3 modification. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 4 and Attachment 34
Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility

March 2003

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Page 3 of 7: Chapter 2.0
Page 4 of 7: Chapter 3.0
Page 5 of 7: Chapter 4.0, Section 4.4.4.1.2:
Page 6 of 7: Chapter 5.0
Page 7 of 7: Chapter 7.0

Hanford Facility RCRA Permit Modification Notification Form

Unit: Liquid Effluent Retention Facility & 200 Area Effluent Treatment Facility	Permit Part & Chapter: Part III, Chapter 4 and Attachment 34
--	---

Description of Modification:

Hanford Facility RCRA Permit, Condition III.4.A:

CHAPTER 4

Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility

This Chapter sets forth the operating Conditions for the Liquid Effluent Retention Facility (LERF) and the Effluent Treatment Facility (ETF).

III.4.A COMPLIANCE WITH APPROVED PERMIT APPLICATION

The Permittees shall comply with all requirements set forth in Attachment 34, including the Amendments specified in Condition III.4.B, if any exist. Enforceable portions of the application are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:

Chapter 1.0 LERF Part A, Form 3, Dangerous Waste Permit Application LERF, Revision 6A

ETF Part A, Form 3, Dangerous Waste Permit 200 Area ETF Application, Revision 3A

ChapterSection 2.02 Unit Description Topographic Map, from Class 1 Modification for quarter ending dated March 31, 2003¹

ChapterSection 3.02 Waste Analysis Plan, from Class 1 Modification for quarter ending dated March 31, 2003¹

Chapter 4.0 Process Information, dated May 1998, from Class 1 Modifications dated March 2003 for quarter ending December 31, 2000

Chapter 5.0 Ground Water Monitoring (PNNL-11620 AND WHC-SD-EN-AP-024), from Class 1 Modification dated March 2003 for quarter ending June 30, 2000

Chapter 6.0 Procedures to Prevent Hazards, from Class 1 Modification dated March 2003 for quarter ending September 30, 2000

Chapter 7.0 Contingency Plan, from Class 1 Modification dated March 2003 for quarter ending September 30, 2000

Chapter 8.0 Personnel Training, from Class 1 Modification dated March 2003 for quarter ending September 30, 2001

Chapter 11.0 Closure and Financial Assurance, from Class 1 Modification dated March 2003 for quarter ending March 31, 2001

Chapter 12.0 Reporting and Recordkeeping, from Class 1 Modification dated March 2003 for quarter ending March 31, 2001

Chapter 13.0 Other Federal and State Laws, from Class 1 Modification dated March 2003 for quarter ending March 31, 2001

Appendix 2A Topographic Map, from Class 1 Modification for quarter ending March 31, 2001

Appendix 3A Waste Analysis Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, from Class 1 Modification for quarter ending March 31, 2001

Appendix 5A Liquid Effluent Retention Facility Final Ground Water Monitoring Plan, PNNL-11620, See Amendment III.4.B.1.

Appendix 7A Building Emergency Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, from Class 2 Modification, dated February 2001. Enforceable portions include Sections 1.5, 3.1, 4.0, 7.1, 7.1.1, 7.1.2, 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5, 7.2.5.1, 7.3, 8.2, 8.3, 8.4, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 11.0, 12.0, and 13.0.

III.4.B. AMENDMENTS TO THE APPROVED PERMIT APPLICATION

III.4.B.1. Interim status Groundwater Monitoring Plan for the 200 East Area Liquid Effluent Treatment Facility, WHC-SD-EN-AP-024

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3

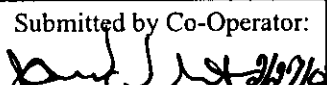

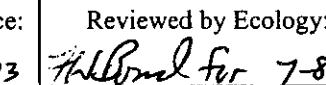
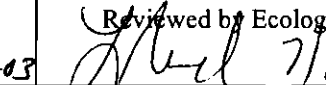
X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
			
J. A. Van Vliet	G. H. Sanders	F. Jamison	L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Liquid Effluent Retention Facility & 200 Area Effluent Treatment Facility	Permit Part & Chapter: Part III, Chapter 4 and Attachment 34
---	--

Description of Modification:

Delete Appendix 2A, add the text below to Chapter 2.0.

2.1 TOPOGRAPHIC MAP [B-2]

The topographic map drawing number is H-13-00039.





Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator:  2/27/03 J. A. Van Vliet Date	Reviewed by RL Program Office:  3/18/03 G. H. Sanders Date	Reviewed by Ecology:  7-8-03 F. Jamison Date	Reviewed by Ecology:  7/8/03 L.E. Ruud Date
---	--	---	---

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Liquid Effluent Retention Facility & 200 Area Effluent Treatment Facility	Permit Part & Chapter: Part III, Chapter 4 and Attachment 34
---	--

Description of Modification:

Delete Appendix 3A, the text was added to Chapter 3.0.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator: <i>J. A. Van Vliet</i> 2/11/03	Reviewed by RL Program Office: <i>G. H. Sanders</i> 3/18/03	Reviewed by Ecology: <i>F. W. Jamison</i> 7-8-03	Reviewed by Ecology: <i>L. E. Ruud</i> 7-8-03
J. A. Van Vliet Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Liquid Effluent Retention Facility & 200 Area Effluent Treatment Facility		Permit Part & Chapter: Part III, Chapter 4 and Attachment 34	
Description of Modification: Delete Appendix 5A, the text was added to Chapter 5.0.			
Modification Class: ¹²³ Please check one of the Classes:		Class 1 X	Class ¹ 1
		Class 2 	Class 3
Relevant WAC 173-303-830, Appendix I Modification: A.1.			
Enter wording of the modification from WAC 173-303-830, Appendix I citation A. General Permit Provisions 1. Administrative and informational changes.			
Submitted by Co-Operator: <i>J. A. Van Vliet</i> J. A. Van Vliet	Reviewed by RL Program Office: <i>G. H. Sanders</i> G. H. Sanders	Reviewed by Ecology: <i>F. Jamison</i> F. Jamison	Reviewed by Ecology: <i>L.E. Ruud</i> L.E. Ruud
Date 2/27/03	Date 3/18/03	Date 7-8-03	Date 7-8-03

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Liquid Effluent Retention Facility & 200 Area Effluent Treatment Facility	Permit Part & Chapter: Part III, Chapter 4 and Attachment 34
---	---

Description of Modification:

Delete Appendix 7A, the enforceable sections of Appendix 7A were added to Chapter 7.0.

Modification Class: ¹²³	Class I	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.				
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>				
A. General Permit Provisions				
1. Administrative and informational changes				
Submitted by Co-Operator: <i>J. A. VanVliet</i> 2/17/03	Reviewed by RL Program Office: <i>G. H. Sanders</i> 3/18/03	Reviewed by Ecology: <i>F. C. Jamison</i> 7-8-03	Reviewed by Ecology: <i>L. E. Ruud</i> 7-8-03	
J. A. VanVliet Date	G. H. Sanders Date	F. C. Jamison Date	L. E. Ruud Date	

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Liquid Effluent Retention Facility & 200 Area Effluent Treatment Facility	Permit Part & Chapter: Part III, Chapter 4 and Attachment 34
---	--

Description of Modification:

Chapter 4.0, Section 4.4.4.1.2:

Process Area Secondary Containment. The process area contains the tanks and ancillary equipment of the primary and secondary treatment trains, and has a jointed, reinforced concrete slab floor. The concrete floor of the process area provides the secondary containment. This floor is a minimum of 15.2 centimeters thick. With doorsills 15.2 centimeter high, the process area has a containment volume of 76,200 liters. The largest tanks in the process area are the secondary waste receiving tanks, which each have a maximum capacity of 56,800 liters.

The floor of the process area is sloped to drain liquids to two trenches that drain to a sump. Each trench is approximately 38.1 centimeters wide with a sloped trough varying from 39.4 to 76.2 centimeters deep. Leaks into the secondary containment are detected by routine visual inspections of the floor area near the tanks, ancillary equipment, and in the trenches.

A small dam was placed in the trench that comes from the thin film dryer room to contain minor liquid spills originating in the dryer room to minimize the spread of radioactive contamination into the process area. The dryer room is inspected for leaks in accordance with the inspection schedule in Attachment 34, Chapter 6.0. Operators clean up these minor spills by removing the liquid waste and decontaminating the spill area.

A small dam was also placed in the trench adjacent to the chemical feed skid when the chemical berm area was expanded to accommodate acid and caustic pumps, which were moved indoors from the top of the surge tank to resolve a safety concern. This dam was designed to contain minor spills originating in the chemical berm area and prevent them from entering the process sump.

The northwest corner of the process area consists of a pump pit containing the pumps and piping for transferring treated effluent from the verification tanks to SALDS. The pit is built 1.37 meters below the process area floor level and is sloped to drain to a trench built along its north wall that routes liquid to sump tank 1. Leaks into the secondary containment of the pump pit are detected by routine visual inspections.

Modification Class: ¹²³

Please check one of the Classes:

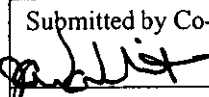


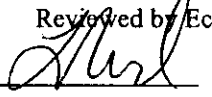
Class 1	Class ¹ 1	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator:  2/17/03	Reviewed by RL Program Office:  3/18/03	Reviewed by Ecology:  7-8-03	Reviewed by Ecology:  7/8/03
J. A. Van Vliet Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

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Hanford Facility RCRA Permit Modification Notification Forms

Part V, Chapter 20

300 Area Waste Acid Treatment System

Page 1 of 2

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Page 2 of 2: Hanford Facility RCRA Permit, Part V, Chapter 20

Hanford Facility RCRA Permit Modification Notification Form

Unit: 300 Area Waste Acid Treatment System	Permit Part & Chapter: Part V, Chapter 20
---	--

Description of Modification:

Part V, Chapter 20: This modification incorporates requirements and conditions that were outlined in the recently retired Attachment 46.

CHAPTER 20

300 Area Waste Acid Treatment System
(Partial Closure Plan Completed, December 3, 2001)

The 300 Area Waste Acid Treatment System (300 WATS) was a tank system that was used to treat and store nonrecoverable uranium-bearing waste acid from reactor fuel fabrication operations. Waste acid neutralization occurred in portions of what now is the 300 Area WATS before operation of the system as a *Resource Conservation and Recovery Act (RCRA) of 1976* unit. The Closure Plan detailed closure of RCRA-300 Area WATS components, ~~and~~ areas, and ~~of~~ contamination resulting from RCRA operations. This unit consisted of portions of four (4) buildings and two (2) tank farms: 334-A Building, 313 Building, 303-F Building, 333 Building, 334 (tank 4), and 311 Tank Farms (tanks 40 and 50).

Closure activities were completed in September 1999, in accordance with the approved Closure Plan contained in Attachment 46 that was retired during Revision 6 of this Permit. Clean closure was given for structures above the ground using the visually verifiable 'clean debris surface' rule and table in the *Ecology Guidance for Clean Closure of Dangerous Waste Facilities Publication #94-111* (August, 1994). Transition of WATS from EM-60 to EM-40 will be done to complete the disposition of "unclosed" 300 Area WATS soils beneath the units to be cleaned will be performed in conjunction with the 300-FF-2 CERCLA OU remedial action and to complete WATS RCRA closure.

V.20.A. The Permittees shall comply with all requirements listed below following partial closure:

V.20.A.1 Part A, Form 3, Revision 5A

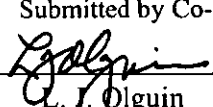
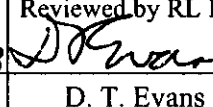
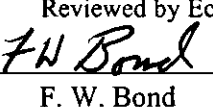
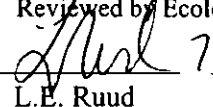
V.20.A.2 Soil Contamination Areas 1 and 2, identified in the Part A, Form 3, Revision 5A, shall be inspected annually to ensure that the contamination at these locations remains immobilized until final disposition. Soil over the concrete WATS and U-Bearing Piping Trench that covers Soil Contamination Area 1 will be inspected annually for disturbance indicating a potential for contamination at this area to become mobilized. The concrete surface over Soil contamination Area 2, located inside the 313 Building, will be inspected annually for cracks or major degradation and the presence of water that could mobilize soil contamination at this location. If unsatisfactory conditions are identified during annual inspections, Ecology will be notified for discussion of an appropriate response. This condition constitutes the TSD unit's inspection schedule.

V.20.A.3 A contingency plan, personnel training plan, or a waste analysis plan will not be required for the 300 Area WATS following partial closure.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:		X FWB		FWB

Relevant WAC 173-303-830, Appendix I Modification: d. Other modifications

Enter wording of the modification from WAC 173-303-830, Appendix I citation
(d) Other modifications, request downgrade to Class ¹1 modification.

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
 L. J. Olguin	 D. T. Evans	 F. W. Bond	 L. E. Ruud
2/25/03 Date	2/26/03 Date	6/30/03 Date	7-8-03 Date

¹ Class 1 modifications requiring prior Agency approval.² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

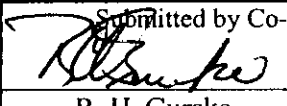
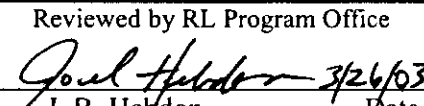
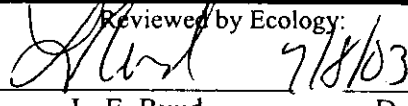
Hanford Facility RCRA Permit Modification Notification Forms

General Permit Conditions

Page 1 of 8

Index

Page 2 of 8	Permit Condition II.A.2 and Attachment 3, Permit Applicability Matrix
Page 3 of 8:	Permit Condition II.F.2.a
Page 4 of 8:	Permit Condition II.U.1 & II.U.2
Page 5 of 8:	Permit Condition II.U.3
Page 6 of 8:	Permit Condition II.U.4
Page 7 of 8:	Permit Condition II.V
Page 8 of 8:	Permit Condition II.Y.3.b

Hanford Facility RCRA Permit Modification Notification Form				
Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: List of Attachments			
<u>Description of Modification:</u> List of Attachments Attachment 33 Hanford Facility Dangerous Waste Permit Application General Information Portion, DOE/RL-91-28, Revision 65C, and approved modifications Attachment 34 Liquid Effluent Retention Facility and Part A, Form 3, Revision 5, October 1996, 200 Area Effluent Treatment Facility Part A, Form 3, Revision 2, October 1996, Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, Part B Permit Application, DOE/RL-97-03, Revision 0, July 1997, and approved modifications Attachment 35 242-A Evaporator Part A, Form 3, Revision 7, October 1996, and Part B Permit Application, DOE/RL-90-42, Revision 4, July 1997, and approved modifications Attachment 36 325 Hazardous Waste Treatment Units Part A, Form 3, Revision 4, June 1997, and Part B Permit Application, DOE/RL-92-35, Revision 1, July 1997, and approved modifications				
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1				
Enter wording of the modification from WAC 173-303-830, Appendix I citation				
A. General Permit Provisions				
1. Administrative and Informational changes.				
Submitted by Co-Operator:  R. H. Gurske Date	Reviewed by RL Program Office  J. B. Hebdon Date	Reviewed by Ecology:  L. E. Ruud Date		

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II, General Conditions
--	--

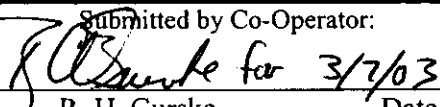
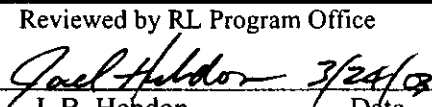
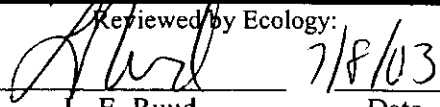
Description of Modification:

Permit Condition II.A.2 and Attachment 3, Permit Applicability Matrix.

This modification corrects inconsistencies between permit conditions II.A and II.B and the applicability matrix.

II.A.2 The Permittees shall comply with the requirements of WAC 173-303-350(4), as provided in The Hanford Emergency Management Plan (Attachment 4). The Hanford Emergency Management Plan provides reference to the need for unit-specific contingency documentation included in Part III, V, and or VI of this Permit.

Attachment 4, Permit Applicability Matrix, Permit Conditions II.B.1, II.B.2, II.B.3, and II.B.4 add an * to Column G.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1				
Enter wording of the modification from WAC 173-303-830, Appendix I citation				
A. General Permit Provisions				
1. Administrative and Informational changes.				
Submitted by Co-Operator:	Reviewed by RL Program Office		Reviewed by Ecology:	
 for 3/7/03	 3/24/03		 7/8/03	
R. H. Gurske	J. B. Hebdon		L. E. Ruud	
Date	Date		Date	

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II, General Conditions
--	--

Description of Modification:

Permit Condition II.U.1

This modification updates the conditions to reflect the current status of mapping efforts.

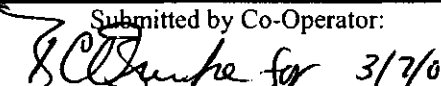
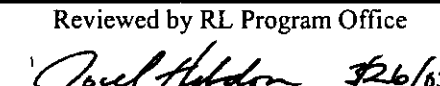
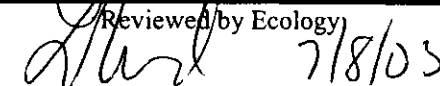
II.U MAPPING OF UNDERGROUND PIPING

II.U.1 Reserved By September 30, 1996, the Permittees shall submit a report to Ecology, which describes the procedures proposed to be used to compile the information required by Conditions II.U.2, II.U.3, and II.U.4. The report shall describe the methods which will be used to retrieve the piping information; the estimated accuracy of the data to be provided; QA/QC control techniques to be employed, including field verification activities (i.e., surveying, ground penetrating radar, etc.); to support information gathered from existing drawings; and conceptual examples of the product which will be submitted.

II.U.2 Reserved By September 29, 1997, the Permittees shall make an initial submittal to Ecology of maps showing the location of dangerous waste underground pipelines (including active, inactive, and abandoned pipelines which contain or contained dangerous waste subject to the provisions of Chapter 173-303 WAC) on the Facility, which are located outside of the fences enclosing the 200 East, 200 West, 300, 400, 100N, and 100K Areas. These maps shall identify the origin, destination, size, depth, and type (i.e., reinforced concrete, stainless steel, cast iron, etc.) of each pipe and the location of manhole/cleanout boxes, valve pits, seal pots, catch tanks, receiver tanks, and pumps, utilizing Washington State Plane Coordinates, NAD 83(91), meters. If the type of pipe material is not documented on existing drawings, the most probable material type shall be provided. These maps shall be accompanied by a description of the QA/QC control measures used to compile the maps.

The age of all pipes required to be identified pursuant to this Condition, shall be documented in an Attachment to the submittal. If the age cannot be documented, an estimate of the age of the pipe shall be provided, based upon best engineering judgment.

These maps, and any Attachments, shall be maintained in the Facility Operating Record and updated annually, after the initial submittal, with new or revised information. Each map submittal required by this Condition shall incorporate information available six (6) months before the scheduled submittal date.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.				
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>				
A. General Permit Provisions				
1. Administrative and Informational changes.				
Submitted by Co-Operator:  R. H. Gurske Date 3/7/03	Reviewed by RL Program Office  J. B. Hebdon Date 2/26/03	Reviewed by Ecology  L. E. Ruud Date 7/8/03		

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II, General Conditions
--	--

Description of Modification:

Permit Condition II.U.2

This modification updates the conditions to reflect the current status of mapping efforts.

II.U.3. The Permittees shall maintain piping maps for existing, newly identified, and/or new dangerous waste underground pipelines (including active, inactive, and abandoned pipelines, which contain or contained dangerous waste subject to the provisions of Chapter 173-303 WAC) within the 200 East, 200 West, 300, 400, 100N, and 100K Areas. The maps shall identify the origin, destination, size, depth and type (i.e., reinforced concrete, stainless steel, cast iron, etc.), of each pipe, and the location of their diversion boxes, valve pits, seal pots, catch tanks, receiver tanks, and pumps, and utilize Washington State Plane Coordinates, NAD 83(91), meters. If the type of pipe material is not documented on existing drawings, the most probable material type shall be provided. The age of all pipes requiring identification pursuant to this Condition shall be documented in an Attachment to the submittal. If the age cannot be documented, an estimate of the age of the pipe shall be provided based upon best engineering judgment. These maps need not include the pipes within a fenced tank farm or within a building/structure. These maps shall be compiled using documented QA/QC control methods and procedures outlined in DOE/RL-96-50, Hanford Facility RCRA Permit Mapping and Marking of Dangerous Waste Underground Pipelines Report, September 1996. These maps and any Attachments shall be maintained in the Facility Operating Record and be updated annually as required by Condition II.U.4. By September 28, 1998, the Permittees shall make an initial submittal to Ecology of piping schematics for dangerous waste underground pipelines (including active, inactive, and abandoned pipelines, which contain or contained dangerous waste subject to the provisions of Chapter 173-303 WAC) within the 200 East, 200 West, 300, 400, 100N, and 100K Areas. The piping schematics shall identify the origin, destination, and direction of flow for each pipe, as well as whether the pipe is active, inactive, or abandoned. These schematics need not include the pipes within a fenced tank farm, or within a building/structure. These schematics shall be accompanied by a description of the QA/QC control measures used to compile the maps.

~~These schematics and any Attachments, shall be maintained in the Facility Operating Record and updated annually, after the initial submittal, with new or revised information. Each map submittal required by this Condition shall incorporate information available six (6) months before the scheduled submittal date.~~

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3


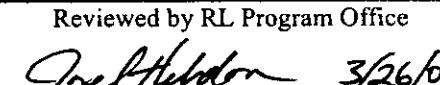
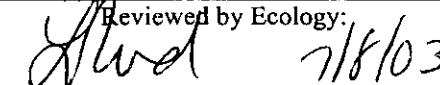
X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator:  R. H. Gurske Date 3/7/03	Reviewed by RL Program Office  J. B. Hebdon Date 3/26/03	Reviewed by Ecology:  L. E. Ruud Date 7/18/03
---	---	---

¹ Class 1 modifications requiring prior Agency approval.² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II, General Conditions
--	--

Description of Modification:

Permit Condition II.U.4

This modification updates the conditions to reflect the current status of mapping efforts.

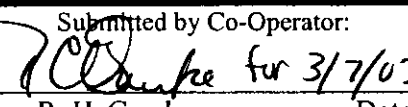
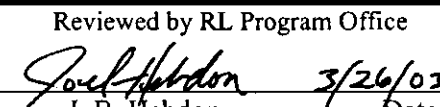
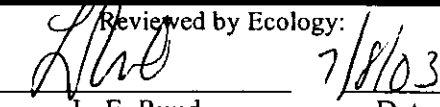
II.U.4 Permittees shall maintain current all maps required by Condition II.U.3. These maps will be updated to incorporate new or revised information available by March 30th of each year. By September 30th of each year, the Permittees shall submit to Ecology a list of maps that have been updated. The updated maps (including any Attachments) and the annual list submitted to Ecology shall be maintained in the Facility Operating Record.

~~By September 28, 1998, the Permittees shall make an initial submittal, to Ecology, of maps showing the location of dangerous waste underground pipelines (including active, inactive, and abandoned pipelines, which contain or contained dangerous waste, subject to the provisions of Chapter 173-303 WAC) within the 200 East, 200 West, 300, 400, 100N, and 100K Areas. These maps will incorporate information available six (6) months prior to the scheduled submittal date. Thereafter, the maps will be updated on an annual basis to incorporate additional information, as such information becomes available in accordance with the FFACO milestone schedule. A schedule for the provision of map input shall be included in the report specified in Condition II.U.1.~~

~~The maps shall identify the origin, destination, size, depth and type (i.e., reinforced concrete, stainless steel, cast iron, etc.), of each pipe, and the location of their diversion boxes, valve pits, seal pots, catch tanks, receiver tanks, and pumps, and utilize Washington State Plane Coordinates, NAD 83(91), meters. If the type of pipe material is not documented on existing drawings, the most probable material type shall be provided. These maps need not include the pipes within a fenced tank farm or within a building/structure. These maps shall be accompanied by a description of the QA/QC control used to compile the maps.~~

~~The age of all pipes required to be identified pursuant to this Condition shall be documented in an Attachment to the submittal. If the age cannot be documented, an estimate of the age of the pipe shall be provided based upon best engineering judgment.~~

~~These maps, and any Attachments, shall be maintained in the Facility Wide Operating Record and updated annually, after the initial submittal, with new or revised information.~~

Modification Class: ¹²³	Class 1	Class ¹ I	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.				
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>				
A. General Permit Provisions				
1. Administrative and Informational changes.				
Submitted by Co-Operator:  R. H. Gurske	Reviewed by RL Program Office  J. B. Hebdon	Reviewed by Ecology:  L. E. Ruud		
for 3/7/03 Date	3/26/03 Date	7/8/03 Date		

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II, General Conditions
--	--

Description of Modification:

Permit Condition II.V

*This modification updates the conditions to reflect the current status of mapping efforts.***II.V MARKING OF UNDERGROUND PIPING**

By September 29, 1997, ~~the~~ The Permittees shall maintain marking of underground pipelines identified in Condition II.U.32. These pipelines shall be marked at the point they pass beneath a fence enclosing the 200 East, 200 West, 300, 400, 100N, or 100K Areas, at their origin and destination, at any point they cross an improved road, and every 100 meters along the pipeline corridor where practicable. The markers shall be labeled with a sign that reads "Buried Dangerous Waste Pipe" and shall be visible from a distance of fifteen (15) meters.

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3


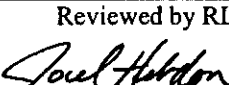

X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator:  R. H. Gurske Date 3/7/03	Reviewed by RL Program Office  J. B. Hebdon Date 3/26/03	Reviewed by Ecology:  L. E. Ruud Date 7/8/03
---	--	--

¹ Class 1 modifications requiring prior Agency approval.² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form												
Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II, General Conditions											
<u>Description of Modification:</u> Permit Condition II.Y.3.b. <i>This modification aligns the Dangerous Waste portion of the HF Permit with the HWSA portion of the HF Permit</i> Permit Condition II.Y.3.b: Make condition consistent with Hazardous and Solid Waste Amendments (HWSA Portion) of the HF RCRA Permit Condition III.A.2.i. Section 3.0 of the Hanford Facility Agreement and Consent Order (Tri-Party Agreement) Action Plan, Subsection 3.5 addresses new sites by establishing the Waste Information Data System (WIDS) as the system to identify all waste management units by requiring the database to be current, and available to the EPA and Ecology. Subsection 3.5 requires a waste management report be prepared in January of each year, and posted electronically for regulator and public access. Compliance with Dangerous Waste Portion Condition II.Y.3.b and HWSA Condition III.A.2.i, is accomplished through these established systems.												
<u>HWSA Permit Condition</u> III.A.2.i Notification of newly identified solid waste management units within these areas of the facility covered by the FFACO shall be in accordance with Section 3.0 of the FFACO Action Plan. II.Y.3.b Newly Identified Solid Waste Management Units and Newly Identified Releases of Dangerous Waste or Dangerous Constituents. The Permittee must notify Ecology of all newly identified solid waste management units and all newly identified areas of concern at the Facility. For purposes of this condition, a 'newly-identified' solid waste management unit or a 'newly-identified' area of concern is a unit or area not identified in the FFACO, as amended, on the effective date of this condition and not identified by Condition II.Y.3.a. Notification to Ecology must be in writing and must include, for each newly-identified unit or area, the information required by WAC 173-303-806(4)(a)(xxiii) and WAC 173-303-806(4)(a)(xxiv). Notification to Ecology must occur at least once every calendar year, <u>in January</u> no later than December 31 , and must include all units and areas newly identified since the last notification, except that if a newly identified unit or area may present an imminent and substantial endangerment to human health or the environment, notification must occur within five (5) days of identification of the unit or area. If information required by WAC 173-303-806(4)(a)(xxiii) or WAC 173-303-806(4)(a)(xxiv) is already included in the Waste Information Data System, it may be incorporated by reference into the required notification.												
Modification Class: ¹²³ Please check one of the Classes: <table border="1" style="float: right; margin-left: 20px; border-collapse: collapse;"> <tr> <th style="padding: 2px 10px;">Class 1</th> <th style="padding: 2px 10px;">Class ¹1</th> <th style="padding: 2px 10px;">Class 2</th> <th style="padding: 2px 10px;">Class 3</th> </tr> <tr> <td style="text-align: center; padding: 2px 10px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					Class 1	Class ¹ 1	Class 2	Class 3	X			
Class 1	Class ¹ 1	Class 2	Class 3									
X												
Relevant WAC 173-303-830, Appendix I Modification: A.1.												
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u> A. General Permit Provisions 1. Administrative and Informational changes.												
Submitted by Co-Operator: R. H. Gurske Date 3/20/03		Reviewed by RI Program Office J. B. Hebdon Date 3/24/03		Reviewed by Ecology: L. E. Ruud Date 7/18/03								

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Forms

Part III, Chapter 6 and Attachment 36

325 Hazardous Waste Treatment Units

March 2003

Page 1 of 3

Index

Page 2 of 3: Hanford Facility RCRA Permit, III.6.A

Page 3 of 3: Hanford Facility RCRA Permit, III.6.B

Hanford Facility RCRA Permit Modification Notification Form

Unit: 325 Hazardous Waste Treatment Units	Permit Part & Chapter: Part III, Chapter 6 and Attachment 36								
Description of Modification: Hanford Facility RCRA Permit, III.6.A: Incorporated the Appendices in their respective Chapters. Refer to following forms.									
III.6.A. COMPLIANCE WITH APPROVED PERMIT APPLICATION The Permittees shall comply with all requirements set forth in Attachment 36, including the Amendments specified in Condition III.6.B. Enforceable portions of the application are listed below; a All subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:									
Chapter 1.0 Chapter 2.0 ² Chapter 3.0 Chapter 4.0 Chapter 6.0 Chapter 7.0 Chapter 8.0 Chapter 11.0 Chapter 12.0 Chapter 13.0 Appendix 3A Appendix 4A	Part A, Form 3, <u>Dangerous Waste Permit Application, Revision 4A, from Class 1 Modification for quarter ending December 31, 2002</u> June 30, 2000 <u>Unit Description Topographic Map, from Class 12 Modification for quarter ending December 31, 2002</u> dated March 2002, and approved November 2002 <u>Waste Analysis Plan, Characteristics from Class 1 Modification dated for quarter ending March 2003</u> December 31, 1998 <u>Process Information from Class 12 Modification dated March 2003</u> 2002, and approved November 2002 <u>Procedures to Prevent Hazards, from Class 12 Modification for quarter ending December 31, 2002</u> dated March 2002, and approved November 2002 <u>Contingency Plan, from Class 1 Modification for quarter ending December 31, 2002</u> June 30, 2002 <u>Personnel Training, from Class 1 Modification for quarter ending December 31, 2002</u> September 30, 2001 <u>Closure and Financial Assurance, from Class 12 Modification dated March 2003</u> 2002, and approved November 2002 <u>Reporting and Recordkeeping, from Class 1 Modification for quarter ending December 31, 2002</u> 1998 <u>Other Federal and State Relevant Laws, from Class 1 Modification for quarter ending December 31, 2002</u> 1998 <u>325 HWTUs Waste Analysis Plan from Class 2 Modification dated March 2002, and approved November 2002</u> <u>Engineering Drawings</u>								
Modification Class: ¹²³ Please check one of the Classes:									
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">Class 1</td> <td style="width:12.5%; text-align: center;">Class 1¹</td> <td style="width:12.5%; text-align: center;">Class 2</td> <td style="width:12.5%; text-align: center;">Class 3</td> </tr> <tr> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> </tr> </table>		Class 1	Class 1 ¹	Class 2	Class 3	X			
Class 1	Class 1 ¹	Class 2	Class 3						
X									
Relevant WAC 173-303-830, Appendix I Modification: A.1.									
Enter wording of the modification from WAC 173-303-830, Appendix I citation									
A. General Permit Provisions I. Administrative and informational changes									
Submitted by Co-Operator: <i>A. K. Ikenberry</i> for 3-4-03 A. K. Ikenberry Date	Reviewed by RL Program Office: <i>R. F. Christensen</i> 3/4/03 R. F. Christensen Date	Reviewed by Ecology: <i>F. C. Jamison</i> for 7-1-03 F. C. Jamison Date	Reviewed by Ecology: <i>L. E. Ruud</i> 7-8-03 L. E. Ruud Date						

¹Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: 325 Hazardous Waste Treatment Units	Permit Part & Chapter: Part III, Chapter 6 and Attachment 36		
Description of Modification: Hanford Facility RCRA Permit, III.6.B: Delete the following Conditions, the Conditions were incorporated in their respective Chapters. Refer to following forms.			
III.6.B. AMENDMENTS TO THE APPROVED PERMIT APPLICATION			
III.6.B.a. --- III.6.B.c. --- III.6.B.d. --- III.6.B.e. --- III.6.B.f. --- III.6.B.g. --- III.6.B.h. --- III.6.B.i. --- III.6.B.j. --- III.6.B.k. --- III.6.B.l. --- III.6.B.m. --- III.6.B.n. --- III.6.B.o. --- III.6.B.p. ---	Only treatment specifically identified in the enforceable portions of the application and these Permit Conditions may be performed at this TSD unit. For all shipments of dangerous waste to or from the 325 HWTUs, the Permittees shall comply with the applicable information in Conditions II.Q.4.h. and II.Q.2. of the Permit. For clarification, all dangerous waste must be transported in accordance with the unit specific provisions as outlined in the PNNL Operating Procedure for the 325 Building, in effect at the date of the transfer. With exception to, and in addition to, the packaging and transporting operations, shall be as follows: The acceptance of all dangerous waste received at the 325 TSD Units will be dependent upon their packaging. Liquid waste containers accepted from other buildings to the 325 HWTUs shall have secondary containment with absorbent materials packed around the contents. The Permittee must conduct integrity assessments over the life of the two (2) tank systems in this TSD unit, to ensure that the tanks retain structural integrity per WAC 173-303-640. Records must be maintained in the Operating Record for this TSD unit. Within thirty (30) days of completion of each assessment, data relating to each tank system shall be made available, upon request, to Ecology for review. Within three (3) months of final installation of the new tank, the Permittee shall submit to Ecology a written integrity assessment, which has been reviewed and certified by an independent, qualified, registered professional engineer, in accordance with WAC 173-303-810 (13)(a). The TSD unit shall comply with all applicable Subpart AA and BB requirements of the Air Emission Standards. In response to the request in Chapter II.D, Section II.7, of Attachment 36, the Permittees are granted two (2) years to close the TSD unit. This time period is necessitated by the high levels of radioactivity in the materials that are present, particularly in the six (6) interconnected hot cells. Removal of waste inventory from the TSD unit is an activity of closure. All process knowledge and analytical data that are used for waste characterization, LDR determination, and/or treatment activities at this TSD unit shall be documented and placed in the Operating Record. Shipments of waste shall not be accepted from any on-site generator without information required by the 325 HWTU WAP, accompanying the first shipment of any waste stream. The TSD unit staff shall obtain, from the on-site generator, the information necessary to determine the waste code, treatability group (i.e., wastewater versus non-wastewater), subcategory, and identification of underlying hazardous constituents for certain characteristic waste. A member of the TSD unit staff may sign the LDR certification as a representative of the generator. Shipments of waste shall not be accepted from any off-site generator without LDR certification, if applicable, accompanying each shipment. For waste received from off-site generators, the TSD unit shall receive the information pursuant to 40 CFR 268 regarding LDR wastes. The generator must sign the LDR certification. The QA/QC control program for sampling and analysis related to this TSD unit must, at a minimum, comply with the applicable Hanford Site standard requirements and regulatory requirements. All analytical data shall be defensible and shall be traceable to specific related quality control samples and calibrations. By April 28, 1998, the Permittees shall submit the following for review and approval by Ecology: for each parameter, the respective accuracy, precision, and quantitation limit (or minimum detectable activity) necessary to meet the regulatory or decision limit. These data quality requirements shall be added to the WAP and become enforceable Conditions of the Permit. For determining the toxicity characteristics, SW-846 Method 1311 should be followed wherever possible. The Permittee may use the total metals test and assumption of complete extractability as described in Method 1311. A reduced sample size may also be utilized for As Low As Reasonably Achievable (ALARA) purposes as recommended by the "Joint NRC/EPA Guidance on Testing Requirements of Mixed Radioactive and Hazardous Waste" (62 FR 62079). For a given parameter, analytical methods are selected and may be modified as long as the applicable precision, accuracy, and quantitation limit (or minimum detectable activity) necessary to meet the regulatory or decision limit can be met or improved. (Note: the Permittee submission described in Condition III.6.B.l. will define these data quality requirements for this TSD unit.) Appendix 7A, Sections 3.2, 4.0, 5.0, and 6.0 are added as enforceable Sections. Chapter 7, at the end of the paragraph, add "by Ecology and shall follow WAC 173-303-360, where applicable." Portions of DOE/RL-94-02 that are not made enforceable by inclusion in the applicability matrix for that document, are not made enforceable by reference in this document.		
Modification Class: ¹²³			
Please check one of the Classes:			
Class 1 X	Class 1 		
Class 2 	Class 3 		
Relevant WAC 173-303-830, Appendix I Modification: A.1.			
Enter wording of the modification from WAC 173-303-830, Appendix I citation			
A. General Permit Provisions			
1. Administrative and informational changes			
Submitted by Co-Operator: <i>A. K. Ikenberry</i> for 3-4-03	Reviewed by RL Program Office: <i>R. F. Christensen</i> 3/4/03	Reviewed by Ecology: <i>F. C. Jamison</i> for 7-1-03	Reviewed by Ecology: <i>L. E. Ruud</i> 7-8-03
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class 1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to 1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Attachment 33, General Information Portion

March 2003

Page 1 of 2

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Page 2 of 2: Attachment 33, Revision 6

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit		Permit Part & Chapter: List of Attachments, Attachment 33 General Information Portion			
Description of Modification: List of Attachments, Attachment 33, Revision 6 Replace Attachment 33, DOE/RL-91-28, General Information Portion with the attached Revision 6. Revision 6 incorporates all pervious approved modifications.					
Modification Class: ¹²³		Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:		X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.					
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>					
A. General Permit Provisions					
1. Administrative and Informational changes.					
Submitted by Co-Operator:		Reviewed by RL Program Office		Reviewed by Ecology:	
<i>R. H. Gurske for</i> 3/7/03		<i>Joel Hebdon</i> 3/26/03		<i>L. E. Ruud</i> 7-8-03	
R. H. Gurske Date		J. B. Hebdon Date		L. E. Ruud Date	

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.